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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Frattini *et al.*

3/2/03  
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Serial No.: 10/014,619

Group Art Unit: 3641

GROUP 3600

Filed: December 10, 2001

Examiner: Palabrica, Ricardo J.

For: *Apparatus and Method for  
Ultrasonically Cleaning Irradiated  
Nuclear Fuel Assemblies*

Atty Docket No.: 9842-306-999

**AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT**

Honorable Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action dated August 22, 2002, please amend the  
above identified application as follows:

**In the Claims**

✓ Please cancel claims 12-20 without prejudice.

Please add new claims 21-28 as follows:

21. (New) An apparatus for cleaning an irradiated nuclear fuel assembly,  
comprising:  
a housing configured to receive an irradiated nuclear fuel assembly and having an  
outside surface,  
a plurality of ultrasonic transducers that each produce omnidirectional ultrasonic  
energy waves and positioned on said outside surface of said housing.